

August 2004

Free

HUB

DIGITAL

LIVING

Volume 17 Number 8



Digital *Road Trip*

Digital photography
tutorial 7

Compact
MP3 players

Photo Contest
Win a Lexmark X5850

Special Double PAPER

In the House

Online Move

Of the Mind

Digital Living

www.hubcanada.com

NCIX.com

Great Technology, Service & Selection

©2006 NCIX Corporation Inc.

Express Shipping Next Business Day Delivery* for orders under \$500.

\$10

Learn the Savings Logic at NCIX.com for special price.

FREE
BENQ SCANNER



FREE SHIPPING ON THIS SYSTEM

Supporting the latest Windows XP Professional

NCIX PC systems: Amazing quality, outstanding performance and excellent value.

Intel® Pentium® 4 System
\$568

- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz

UPGRADE YOUR PC WITH THESE SYSTEMS

Intel® Pentium® 4 System
\$999

- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz

Intel® Pentium® 4 System
\$799

- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz
- Intel® Pentium® 4 3.0GHz w/ 800MHz

BenQ Monitors
17" Black Silver 10" LCD Display

\$569⁹⁵

\$299⁹⁵

Soltek 75FRN2-L
Socket A Athlon 2-MB motherboard

\$80⁹⁵

\$111⁹⁵

Intel® Pentium® 4 2.8GHz
Retail 1 Year Warranty

\$239⁹⁵

ASUS P4P800 DELUXE
4MB PC, 5.1, 100, 100, 100, 100

\$155⁹⁵

\$238⁹⁵

Powerball! Gyroscopic
West and Trip Encoder

\$18⁹⁵

\$59⁹⁵

Antec Computer Cases
SLEEK7000MB with 100W Antec PSU

\$88⁹⁵

\$129⁹⁵

Optodisc 4x DVD-R
4.7GB Blank Media / 25 disc color box

\$18⁹⁵

\$22⁹⁵

NEC Dual Layer DVD±RW
NEC-2210A DVD±RW w/ Software

\$109⁹⁵

\$78⁹⁵

MSI Radeon 9800 Pro
128MB RAM with 256 & Software

\$273⁹⁵

\$393⁹⁵

Collection Radeon 9600XT
64MB Gold Edition w/ 128MB

\$196⁹⁵

\$49⁹⁵

80GB HDD
7200 RPM 40000 RPM Hard Drive

\$86⁹⁵

\$149⁹⁵

D-Link 4 Port Router
10/100 Ethernet Router

\$39⁹⁵

\$98⁹⁵

NO HIDDEN FEES!
We guarantee the lowest prices on all products and services. No hidden fees, no hidden costs, no hidden charges. We guarantee the lowest prices on all products and services. No hidden fees, no hidden costs, no hidden charges.

Visit **NCIX.com** to order! **FAST & EASY** shipping anywhere in Canada!

THIRD PARTY LOCATIONS

MISSISSAUGA: 1000 Highway 10, Unit 10, Mississauga, ON L4V 1V1
VANCOUVER: 6000 West Broadway, Vancouver, BC V6K 1V1
TORONTO: 1000 Highway 10, Unit 10, Toronto, ON M4V 1V1

1-800-363-NCIX

800-363-NCIX or 416-291-1000 for more information
800-363-NCIX or 416-291-1000 for more information
800-363-NCIX or 416-291-1000 for more information

Letter from the Editor 4

First Glance 6

On the Move

Child-friendly handheld travels well 2
Laptop giveaway added to Leap Frog lineup

Off the Mind

Digital Photography Special 7
Working with our image editor 3 18

Digital Living

Total Gamer Corner 14
Reviews: iPod Mini, Sprint Mac 2

Connects

Letter of the month 4

Photo spree 10

New this Month

More Editorial content throughout

Including product news and reviews in all editions following page 6



www.hubconnects.com



1000

On a recent late-morning bus ride, returning from a trip to Stratford, DM to peak at my current novel ([audio sample](#)) I decided upon realising that the bus was an *it's Gonna Be That* Advanced SF novel that, made a fairly important statement on the (in)stability of Wi-Fi access points.

Armed with an older model Pocket PC and an IEEE 13b CF card and MiniSounder, a popular application with Wi-Fi users (aka "searchers" or "wanders"). Even without any booster equipment, I watched as the bus stopped, access points kept popping upon screens in the half hour ride, most of which was highway driving. I captured signals from 39 networks. I even managed to log on to one (believe it or not) and see an access point that was not even in range.

(2) The 15 countries selected under 15 had one or more of the following characteristics:

According to InfoSecWiki, there are a few of the best practices to implement when passing sensitive packets. From the perspective of someone who just wants to get connected to check email or see what's online on a favorite streaming program, unsecured networks are great but the simple fact of the matter is that not everyone's sensitive data is innocent. An unsecured network is an open door to those who may want to gain access for nefarious purposes. Therefore, network owners interested in sharing their networks as an act of goodwill should look to use the few firewalls programs available to monitor those connecting from outside. Monitoring visitors should lock down their network, only allowing those with the correct encryption key to connect.

Many security measures are turned off by default in wireless routers to aid the setup process. Enabling WEP (wired equivalent privacy) is usually a simple matter of checking a check box and punching in an alphanumeric password key.

WDP is not perfect [as was demonstrated by a research group at the University of California at Berkeley] but is at least a good start for home networks.

— **Handwritten:** *Handwritten text, possibly a signature or name.*

And finally, writer: When my father was a kid in the 1950s, his family vacations were comprised of endless arguments and backseat bickering with his mother. My little sister does not know how lucky she is. As she looks back on the family movie van, armed with her MP3-CD player, I'm engrossed in a DVD I'm watching on my laptop, which is conveniently connected to the video screen. I may go on vacation to escape the daily grind, but my siblings? They come along for the ride.

Gregory finds writes: I definitely take a digital camera that lets me pick and choose my best shots on location. I also take a cellphone, because I put out my number publicly so that I never miss a call while on vacation (or at any other time). I find myself attached to the computer almost every day of my life (teaching, e-mail, research, on-line classes), so the computer is one item I never leave home.

Robert Pashley writes: "One of the variations where I log two travelguides (one for the city and another for the general area) is a variety of road and nature maps, my itinerary and a collection of tourist-focused brochures. All this documentation has now been replaced bying handy new and ultra light 4-lb laptop, with wireless modem, which would take and take up less space as my travel bag than those books and documents."

Letter of the Month

The subject of this month's letter column is Joseph E. King.

Enjoy all of the way. Vacation time, by definition, is a time to get away from work, bills and, thus, its too many work place and daily life issues are crowded with gadgets that demand your attention. As humans we are not programmed to run constantly like a machine. Vacation time is the ideal time to stay enough to enough and to voluntarily disconnect from our wired and wireless world. Enjoy your long, but stress free such as the quietness of a forest, the smell of the ocean breeze or the sight of a soaring eagle. Use your instincts. Forget the GPS unit, use a compass. Disconnect cell phone, make a personal leave the laptop, reader book. Your vacation will be over soon enough and then the "engineers" will return.

For his submission, Joseph won the **Ultimate Drill Point Primer Give Away** from Drill Canada. There are still two more Drill Point Primer prizes to be won so keep those letters coming!

Two months, in addition to feedback on the event, will be **comprised** as you obtain online privacy and security. Stop as a line at learn.ellipsolearning.co. To mark the one-year anniversary of Dell's 50th birthday, the winner will receive the **Ultimate Dell Prime Prime** (a Dell 4740 All-in-One Intel® Pentium® 4 high-end processor, camera, and PC) for color copy and PC that capability, two extra mid-range controllers (Intel® and color), a 3 in USB 2.0, 80GB, and a pack of Dell Premium Inkjet paper for Dell with color.

[illegible]

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

Downloaded from www.jstor.org on Tue, 20 Jun 2016 12:02:02 UTC
 All use subject to [JSTOR Terms and Conditions](#)

1. **Introduction**
2. **Methodology**
3. **Results and Discussion**
4. **Conclusion**

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 103–110

[illegible][illegible]

Ultimate notebook meets virtual office

In our search for the perfect combination of size and performance, we came up with the X-Slate series – notebooks that make no compromises. Starting with an Intel Core™ processor, we added one of the brightest LCD screens on the market, a 10-hour extended life battery* and a Quad Band wireless antenna, all packed into an ultra slim titanium and carbon fiber package that weighs a mere 2.4 lbs.



Received 10 October 2005; revised 12 January 2006; accepted 12 January 2006
Published online 22 February 2006 in Wiley InterScience (www.interscience.wiley.com). DOI: 10.1002/anie.200526101

Apple (www.apple.ca) has updated its flat-panel lineup with three new models, including a 30-inch display, which it says is the largest high-resolution LCD available. The 30-inch Apple Cinema HD has a 2,560x1,600 pixel resolution and a wide range of built-in connectivity options: two FireWire and two USB 2.0 ports and DVI interface. New 20-inch and 23-inch models were also introduced. All three have a 16:10 aspect ratio and sport a new look, with a thin aluminum bezel and curved base, similar to the design of the latest PowerMac G5 models. The 20-inch and 23-inch displays are available for a suggested retail price of \$1,799 and \$2,799, respectively. The 30-inch display will be available in August for \$4,999.



30-inch Apple Cinema HD display

The lukewarm reaction to Nokia's original N-Gage game deck/wireless phone hasn't deterred Fido (www.fido.ca). The wireless service provider has announced that it is the exclusive Canadian carrier of the N-Gage QD. The new N-Gage device is more compact than the original, is said to address usability issues related to the phone and now includes a speakerphone function. Like the original, built-in Bluetooth allows for wireless gaming with opponents in close proximity or play online by connecting to a wireless data network. It also includes PDA functions and wireless email. The N-Gage QD from Fido is \$250 (discounts available with service contract) and comes with a Tony Hawk's Pro Skater game card.



Nokia N-Gage QD



With his talent for reenvisioning the mundane — from citrus juicers to toothbrushes — it was only a matter of time before interior and industrial design star Philippe Starck turned his eye to the desktop. The result is a sleek new mouse for Microsoft (www.microsoft.ca). The Starck-designed optical mouse has a silver finish, with the two buttons extending the length of the mouse, divided by a lighted stripe (choice of orange or blue) with a scroll wheel at the top. The mouse body is symmetrical, so can be used in either hand. The Optical Mouse by Starck will be available at the end of August for an estimated retail price of \$34.95.

Optical Mouse by Starck

As computer and PDA interfaces rely increasingly on graphics, using those devices becomes more challenging for visually impaired users. Ben Canadian company, Visuade (www.visuade.com), is developing its own line of high-tech assistive devices specifically for this market. The company says its latest device, Maestro, is "the first mainstream handheld PC for the blind and visually impaired." The device is built on Hewlett-Packard's (Palm) Pocket PC (i-4050) platform and features text-to-speech technology and a tactile keyboard (emphasis



over the touch screen that does not rely on any bus input. It incorporates Bluetooth and can be used with an external keyboard (Braille or standard) if desired. The Maestro is expected to ship in September for an introductory price of \$1,200, and will be available through distributors of assistive products. Visuade's other high-tech innovations include Tracker, a GPS-based orientation and mobility product for the visually impaired.

Maestro PDA for visually impaired

Child-friendly handheld travels well

Leapster

Leap Frog, www.leapfrog.ca
For ages 4-8

Estimated retail price: \$119 (LeapPad), \$25-\$40 (cartridges)

Of the many digital gadgets devised to entertain children, LeapFrog's LeapPad has been popular with parents for its educational edge. It's a sort of tray into which coil-bound LeapPad books are placed and read aloud from start to finish or at the user's pace by interacting with the tethered stylus—a great interactive toy for use at home. But what if you're planning a road trip or vacation that involves time spent on planes or in airports? Enter Leapster, LeapFrog's travel-friendly gadget. With its bristling ships, it looks like an oversized M-160. It has a 2.8-inch, touch-sensitive, color LCD, tethered stylus, speaker, volume controls, navigation rocker and control buttons, earphone jack (handy for travel), and cartridge slot. Instead of books, users insert cartridges and interact with the on-screen animation. Depending on the cartridge, the content can include educational games, e-books, digital art projects, and interactive videos.

Our product testers were Giuliana, 6, and Cristina, 4, who tried two cartridges: the sea game title that ships with the Leapster and *How the Explorer*, which is available separately. Both girls are familiar with computers and the LeapPad, so were able to turn the Leapster on and start playing immediately. They interacted with it in different ways—Giuliana was quiet and very focused, while Cristina talked along with the games and gave updates on her progress—but both were very eager to play, even after looking the Leapster for a month.



Giuliana's only complaints were that the screen was not visible out doors and that the Home and Hint buttons were side by side and it was easy to hit the wrong one by mistake.

The Leapster runs on four AA batteries (which, incidentally, can only be accessed with a screwdriver), so run time depends on the quality of batteries used. Judging by the enthusiastic play of our product testers, investing in rechargeable batteries would be wise.

At \$35 to \$40 each, the cartridges are pricier than the LeapPad books, but they do pack in a variety of games that lend themselves to replaying. In addition to the cartridges tested, Leapster titles include *SpringBob SquarePants*, *Mr. Potato's Learn to Grow and Write*, *The Letter Factory*, as well as *Prince 1*, *Grade 1*, and *Kindergarten*.

By Megan Johnson, with testing by Cristina and Giuliana Pellegrini

► Data streams relentlessly.
Maxell captures it seamlessly.



www.maxellcanada.com

maxell
Recording Memory & More

Known for developing some of the most advanced media technologies in the world, Maxell provides a seamless solution for the never-ending task of data storage. Maxell's full line of DVDs consistently deliver optimum performance and maximum reliability in every format on the market.

Plus, Maxell offers 24/7/365 tech support and limited lifetime warranties.

Recordable Media • Portable Energy
Data Storage • Technological Partnerships



Summer is upon us, the perfect time to bundle every one into the car for a road trip.

In a trip revolving around technology, power and planning are the order of the day. That is, it's that every power bar and extension cord I can lay hands on was put to use the day before departure.

The planning element is more of a sticking point, we have still yet to decide where this road trip is going to take us. The original idea was to head out to Fredericton, NB which claims itself as the only fully wireless Internet-enabled city in Canada. Apparently, everyone in the city and any visitors throughout the day at just about anywhere in the city limits—though I'm sure there are some dead zones. Still, it sounds like a geek nirvana.

Mileage restrictions on the borrowed MINI Cooper lightened that trip idea, from Toronto, ON to Fredericton, NB is 1262.6 km taking the shortest possible route, according to Microsoft Streets & Trips.

The problem with planning a trip that puts so much focus on technology—as navigation, as a remote connection to the office and as an on-route travel planner—is that how the technology will be used on the road isn't completely clear until you're actually on the road, using it. The morning of our departure, Kingston, ON was decided upon as our destination.

MINI Cooper

\$25,900 www.mini.ca

While there is nothing terribly tech about the car as driven—no navigation system (though one is available as an option), no DVD player and screen counterparts, no Go Sur or similar services—the MINI proved to be the consummate road trip vehicle ... at least for two people. It was comfortable, quite quick with a deceptively large amount of room for our gear and fuel efficiency to boot (8.1/11/12.2 km/l highway).

It also seems to command a lot of attention on the road. I received the sort of all hand gestures while driving in Toronto, the apocryphical thunder-up. Said thunder-up was accompanied with vigorous honking. I was also greeted by curious Kingstons at just about every tourist destination and gas station we stopped at.

At 6' 2", I found the car to be very comfortable. However, with the seat all the way back, the possibility for back seat passengers with legs thicker than about half an inch disappears (unless they're willing to sit cross-legged).

Belkin Navigation System

\$529.79 (from US\$399) www.belkin.com

The Belkin Bluetooth GPS receiver is an excellent concept and was among the devices accompanying us on the road trip that didn't present any problems on the

Digital Road Trip

hardware side. Unfortunately, the unit is hampered by a glitch with the software that ships with it.

Also, while the battery life of the GPS receiver held up for close to the 10 hours promised, the connecting device drew more power (in using Bluetooth and hence, don't last as long). On the road, power comes at a premium and what seems like by not having to worry about all around the car is offset somewhat by the shorter battery life of the device connecting to it.

The PC and Pocket PC elements of Belkin's navigation software share almost exactly the same functionality. The only noticeable differences are in the larger screen and storage capacity for maps on a PC.

The navigation software offers up the requisite points of interest, public transportation hubs and some ATMs. To plot a course, users choose a start, presence or city along with a radius (between 40 and 250 km) from the chosen point. Kingston and 250 km of the surrounding area required about 13 MB on the Pocket PCs; the more dense the city, the more space required. I would much rather be offered the option to choose a bank, route then install the required parts of the map. Even on the relatively short 250 km journey, we ran out of map data just before entering Kingston and chose to navigate the last about 25 km mapquest-style rather than pull over and load new maps into the Pocket PC.

Once the GPS unit locks on to a signal, which took 10-15 seconds on average with a warm start, the software does a good job of navigating, offering plenty of advance warning for turns, bends in the road, etc., and balances the warnings for highway, city and slow road driving.

Dell Axim X30

\$379 as equipped www.dell.ca

Integrated Bluetooth and 66-MB (800.11b standard) we like, 54-MB of total storage for applications and data we don't. Still, with a price tag under \$400 and with a similarly equipped Pocket PCs often sticking in at twice that, the extra cost seems are all but required to lay down for more storage space in the form of a Secure Digital (SD) card becomes easier to swallow. The occasional hang or complete crash at the hands of the current Microsoft Windows Mobile 2003 second edition operating system (OS) notwithstanding.

With an obvious focus on various Internet applications in the newest batch of Pocket PC personal digital assistants (PDAs), networking applications in the latest incarnation of the OS are more easily accessed and are generally improved though still not perfect, requiring at least a moderate knowledge of networking to be effective.

The X30 has a spring-loaded scroll wheel, replacing the scroll





eVGA.com Corp. - As an NVIDIA Launching Partner, Select Solution Provider and NVIDIA R1 Channel Partner - eVGA sets itself apart from the other add-in board makers with its unsurpassed customer service, quality control and assurance, resulting in some of the highest customer loyalty ratings in the industry. As an approved solution provider to the VGA community eVGA brings the power of NVIDIA based cinematic graphics to the Canadian marketplace.



e-GeFORCE 6800 Ultra
WHQL Certified and 6800

256MB / 256-bit / 4ns **ASAP**
AGP 8X DDR 3
DVI-I + VGA + TV Out **ASAP**
P/N: 256-AG-6800-AX **\$689.99**

256MB / 256-bit / 2ns **ASAP**
AGP 8X DDR3
DVI-I + VGA + TV Out **ASAP**
P/N: 256-AG-6800-AX **\$549.99**

128MB / 256-bit / 2.8ns **ASAP**
AGP 8X DDR
DVI-I + VGA + TV Out **ASAP**
P/N: 128-AG-6800-AX **\$409.99**

WHQL Pending



e-GeFORCE PCI 5750/5700

256MB / 128-bit / 4ns **ASAP**
PCI-E DDR
DVI + VGA + TV Out **ASAP**
P/N: 256-PC-5750-TX **\$249.99**

128MB / 128-bit / 4ns **ASAP**
PCI-E DDR
DVI + VGA + TV Out **ASAP**
P/N: 128-PC-5700-TX **\$219.99**

128MB / 128-bit / 4ns **ASAP**
PCI-E DDR
DVI + VGA + TV Out **ASAP**
P/N: 128-PC-5700-LX **\$189.99**

WHQL Pending



Personal Cinema FX 5600

256MB / 128MB 128-bit / 4ns
AGP 8X DDR
DVI-I + VGA + TV Out + RJ45 + TV
Memory Bandwidth: 8.5 GB/sec
P/N: 256-AG-5600-A2 / 128-AG-5600-A2
ASAP **ASAP**

\$449.99 / \$379.99
\$349.99 / \$279.99



e-GeFORCE MX 4000

128MB / 64-bit / 5ns **ASAP**
AGP 8X DDR
DVI-I + VGA + TV Out **ASAP**
P/N: 128-AG-4000-AX **\$79.99**

64MB / 64-bit / 7.5ns **ASAP**
AGP 8X DDR
DVI-I + VGA + TV Out **ASAP**
P/N: 64-AG-4000-LX **\$64.99**

WHQL Pending



e-GeFORCE FX 5200

128MB / 64-bit / 5ns **ASAP**
AGP 8X DDR
DVI-I + VGA + TV Out **ASAP**
P/N: 128-AG-5200-AX **\$99.99**

128MB / 64-bit / 5ns **ASAP**
AGP 8X DDR
DVI-I + VGA + TV Out **ASAP**
P/N: 128-AG-5200-LX **\$89.99**

WHQL Certified

Evaluation Program*
available thru Canadian distributors

e-GeFORCE PCI 5750

\$149.99
1 per order ONLY



128MB / 128-bit / 4ns
PCI-E DDR
DVI + VGA + TV Out
P/N: 128-PC-5750-TX
ASAP

www.eVGA.com
All Prices in Canadian Dollars

Call for Dealer Price
ASI

(Toronto / Montreal)
www.asipartner.com
(Toronto 905-470-1000 /
Montreal 514-748-9200)

Aztec Micro
(Ottawa / Toronto / Vancouver)
www.aztecmicro.com
[1-888-AZTEC-80]

t: 888.981.EVGA
Toll-Free Tech Support

Two-year warranty
thru
Authorized
Distributors

THREE
Regional
RMA Centers
located in:
Ottawa, Toronto
Vancouver

t: 714.528.4501

NVIDIA, NVIDIA logo, GeForce, INSIST ON NVIDIA, AGIDA Personal Cinema are registered trademarks or service trademarks of NVIDIA Corporation in the United States and other countries. eSATA, eSATA logo, eSATA.com, eSATA.com Corporation, eSATA Corporation, eSATA logo and eSATA logo are trademarks of eSATA.com Corporation. All other names and/or trademarks are the property of their respective owners. ©2004 NVIDIA Corporation.

THANK YOU!

For making Echo Online the 2004 Consumers' Choice Award winner in the category of Internet Service Provider!



Unlimited Internet Access

from

\$8^{30*}
per month

Features:

- o 56K V.90 Dial-Up Access
- o 10Mb WebSpace
- o 1 E-Mail Address
- o Free WebMail Access

A DSL Modem and a month of DSL Service!

Only **\$69^{95**}**
plus tax



Features:

- o 3MB DSL ACCESS
- o Recertified GNET DSL Modem with 60 day warranty.
- o 10Mb WebSpace
- o No Commitments!
- o 5 E-Mail Addresses
- o Residential Service only.
- o FREE 20 hours of Dial-Up

What are you waiting for?

Call us today! 416-385-0459

www.eol.ca or sales@eol.ca

ECHO
OnLine

Serving the GTA Since 1995!

*Based on a 11 month prepayment of \$99.95. Taxes Extra. Where technology allows. MTS 0209/040715.01/01/07
**\$69.95 per month. Postage, Sales tax included. 30 day warranty on recertified modems. Where technology exists.